December 2005 Update

Midvale Slag Superfund Site
Midvale, Salt Lake County, Utah
(Review Date 10/20/03)

Highlights Since the 2003 5-Year Review

- Cleanup of OU2 smelter waste and slag begins in February 2005
- Groundwater remedial design selected in the ROD completed September 2004
- Site Risk Assessment complete March 2005

Brief Site History: Midvale Slag is located 12 miles south of Salt Lake City, Utah. The majority of its boundaries are within the city limits of Midvale although the northern portion extends into the City of Murray. The site is divided into two operable units. OU2 in the southern portion contains former smelting facilities and a variety of waste byproducts. OU1 was mainly pasture land before the 1940's and was developed as a landfill by the county in the 1960's. The South Valley Water Reclamation District operated the Midvale Waste Water Treatment Plant on OU1 from 1959 to 1986. The lagoons were closed according to an approved closure plan, and material excavated as part of Interstate Highway 215 construction was subsequently deposited on the former lagoon location. Smelting activities occurred at OU2 from 1871 to1958, and migration of the smelting wastes from OU2 presumably contaminated OU1. While most of OU1 is vacant land, the northwestern portion contains Winchester Estates, a residential mobile home development. There are no known discrete waste sources in OU1.

Cleanup Activities Completed: Cleanup of OU1 is nearly complete. Lead and arsenic contaminated soils in residential yards were removed and replaced with clean soil.

Current Status: In the Fall of 1999 Midvale City was awarded an EPA Pilot Redevelopment Grant which was used to develop a master plan for reuse of the site. In November 2001 the Midvale City Council adopted the Bingham Junction Ordinance, which spells out institutional controls placed on the property. Cleanup of OU2 smelter waste and slag began in February of 2005. The site contains more than 500,000 cubic yards of various wastes ranging from old building materials to highly contaminated chemical wastes and several large slag piles. The groundwater remedial design selected in the ROD was completed in September of 2004.

Summary of Protectiveness: The remedial actions required by the decision documents have been partially completed for OU1 and are under design for OU2. In general, the remedy as implemented in OU1 is protective in the short-term, but requires follow-up actions to be taken to be protective in the long-term. The remedy for OU2 is expected to be protective upon completion.

Issues Impacting Protectiveness: A few issues that do not immediately impact the protectiveness of the remedy were noted. The following table summarizes the status of the follow-up actions addressing these issues.

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Five-Year Review Update Table
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Issues	Recommendations/ Follow-up	Follow-up Actions (Status/ Due Date)	Status of Follow-up Actions 12/05	Resp. Party
1) Land use for the undeveloped parcels south of Winchester Estates allows residential and recreational use, not fully addressed by the 1995 ROD.	Evaluate residential and recreational land use scenarios and determine actions needed to allow these uses.	The residential and recreational land use scenarios are under review by EPA as part of an upcoming risk assessment.	Risk assessment complete 3/28/05.	EPA
2) An ecological park/recreational area has been proposed along the east bank of the Jordan River and has already been constructed along the west bank.	Reevaluate ecological risks for OU1 to determine what action needs to be taken	Work has started on a stakeholders group for the riparian zone. Evaluation of the ecological risks will be addressed in the upcoming risk assessment.	Risk assessment complete 3/28/05.	EPA /Midvale City
3) There have been changes in the toxicity data used for the OU1 risk calculation.	Evaluate impacts of revised toxicity data and bioavailability studies.	Evaluation of these issues will be addressed in the upcoming risk assessment.	Risk assessment complete 3/28/05.	EPA
4) Midvale City has requested consistent cleanup levels at the two Midvale Slag OUs and Sharon Steel to facilitate IC administration.	Evaluate approach to establishing site cleanup goals to consider consistent approaches between the sites.	Evaluation of the cleanup levels will be addressed in the upcoming risk assessment.	Risk assessment complete 3/28/05.	EPA
5) Soil samplings in 2001 indicate that contamination present on the western edge of OU1 by the Jordan River is above acceptable exposure levels.	Evaluate contamination with respect to risk estimates and cleanup levels and to determine whether a remedial action needs to occur.	Evaluation of this contamination will be addressed in the upcoming risk assessment.	Risk assessment complete 3/28/05.	EPA

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6) Groundwater samples indicate that contamination above the MCLs exists in the shallow upper sand and gravel aquifer beneath the site.	Develop a comprehensive groundwater monitoring plan for OU1 and OU2 to determine if OU2 plumes are encroaching onto OU1, and evaluate ICs.	A comprehensive groundwater monitoring plan for OU1 and OU2 is being developed.	Design complete 9/30/04.	EPA
7) Semi-annual groundwater monitoring, as stipulated by the OU1 ROD, has not been completed.	Conduct groundwater monitoring in accordance with decision documents	Conduct groundwater monitoring in accordance with decision documents		TBD
8) Restricting site access to OU2 is an ongoing issue. Trespassers are vandalizing the site fence and gates.	Monitor integrity of the OU2 fence and gates and repair as necessary	Work to maintain fencing and gates to OU2 will be ongoing until remediation is complete.	Remediation is ongoing. Site security being maintained.	Property Owner
9) RAOs for OU1 do not address groundwater	Incorporate OU2 groundwater RAOs on OU1	EPA will provide a modification to the OU1 ROD to include the addition of RAOs for groundwater.	An ESD was completed February 2006.	EPA